

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Lone Mountain Production Company

3. ADDRESS OF OPERATOR

P.O. Box 3394, 408 Petroleum Bldg., Billings, Montana 59103

4. LOCATION OF WELL (Report location clearly and in accordance with BLM instructions)

At surface

1294' FSL & 1952' FEL

At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

20 miles northwest of Mack, Colorado

15. DISTANCE FROM PROPOSED* Lease: 1346'

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

Spacing

Unit: 688'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2407'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6022' GL; 6033' KB

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8" New	32.30# L.S.	200'	150 sacks Class "G" (to surface).
8-3/4"	7" New	20# L.S.	1200'	150 sacks 50-50 Pozmix.
6-1/4"	4-1/2" New	11.6# K-55	5100'	175 sacks RFC.

1. Surface formation is the Mesaverde.
2. Anticipated geologic markers are: CASTLEGATE-970'; MANCOS-1120'; DAKOTA SILT-4483'; DAKOTA SAND-4572'; MORRISON-4758'.
3. Gas is anticipated in the Dakota and Morrison. No oil or other minerals are anticipated. Minor water sands are expected in the Mesaverde.
4. Proposed casing program - See Item No. 23 above.
5. Pressure control equipment:- See attached Well Control Plan and Schematic of Drilling Contractor's BOP Stack. BOP's will be tested before drilling out from under surface casing and checked daily.

-continued on Page 2, attached-

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

James G. Routson

TITLE

Petroleum Engineer

DATE March 25, 1987

(This space for Federal or State office use)

PERMIT NO.

43-019-31241

APPROVAL DATE

APPROVED BY THE STATE

OF UTAH DIVISION OF

OIL, GAS, AND MINING

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE 4-6-87

BY: John R. Bay

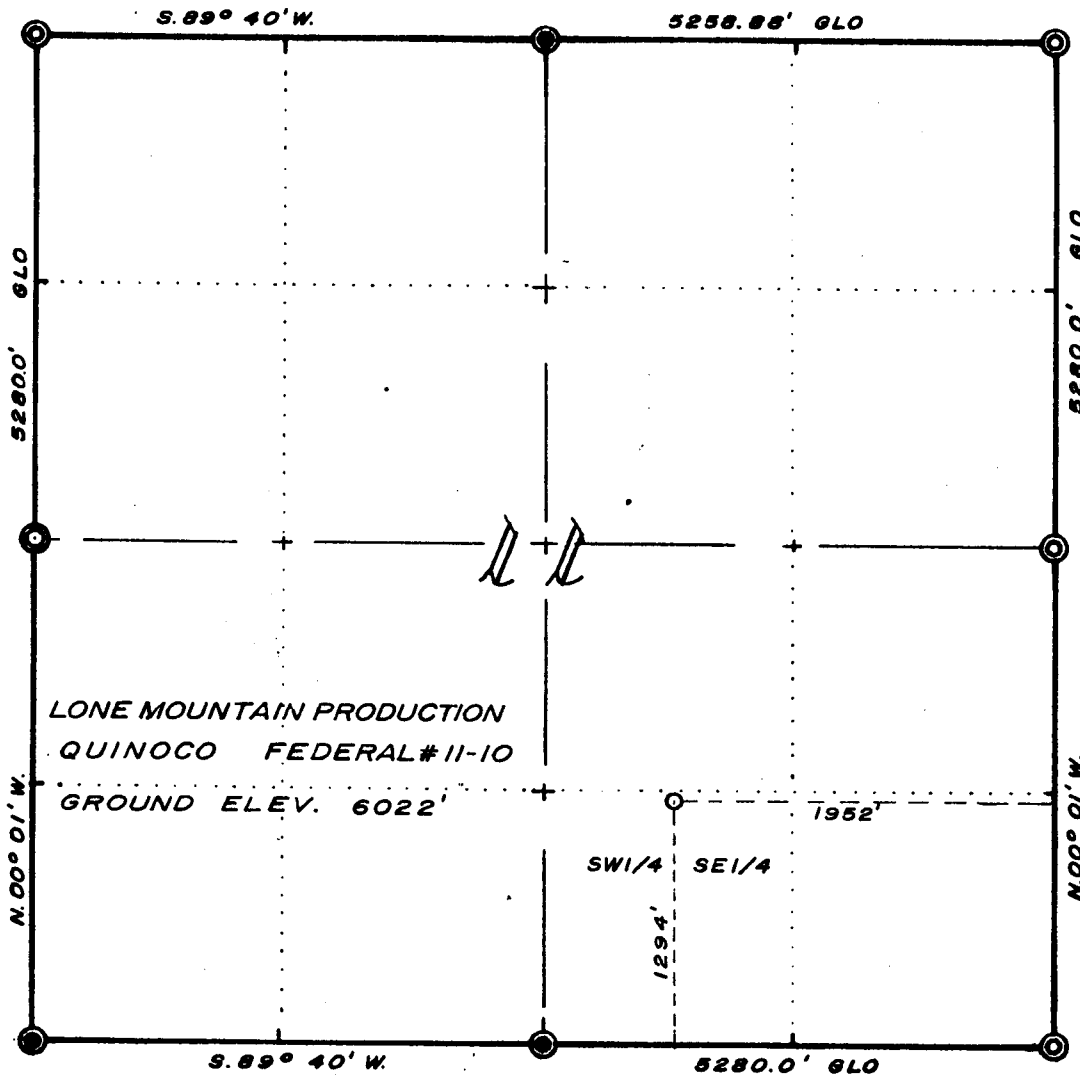
*See Instructions On Reverse Side

WELL SPACING: 1346 8/28/86

6. Air or mist drilling will be used to drill the surface hole and intermediate hole unless water is encountered. If water is encountered, chemical-gel type mud will be used. The well will be air drilled from under intermediate casing to total depth.
7. Auxiliary equipment - See Well Control Plan.
8. The logging program will consist of a DIL log from total depth to base of intermediate casing, GR-FDC-CNL logs from total depth to 500' above the Dakota Silt, and a cased hole GR-CNL from 1200 to 800'. No cores or drill stem tests are planned.
9. No abnormal pressures or temperatures are anticipated. No poisonous gas is anticipated.
10. Anticipated spud date is May 22, 1987. Completion operations should commence within thirty days of rig release.
11. Survey Plats are attached.
12. The gas is dedicated to Southwest Gas Company.
13. Designation of Operator forms from Quinoco and their et-als and from Trend Oil Company are attached.
14. The well will be drilled under Quinoco's bond.

SEC. 11, T. 17 S., R. 24 E. OF THE S.L.B.M.

PLAT # 1
LOCATION PLAT



THIS WELL LOCATION PLAT WAS PREPARED FOR LONE MTN. PRODUCTION CO.
TO LOCATE THE QUINOCO FEDERAL #11-10, 1294' F.S.L.
1952' F.E.L. IN THE SW 1/4 SE 1/4, OF SECTION 11, T. 17S., R. 24E
OF THE SLBM GRAND COUNTY, UTAH

SURVEYOR'S CERTIFICATE

I, LARRY D. BECKER A REGISTERED LAND SURVEYOR IN
THE STATE OF UTAH DO HEREBY CERTIFY THAT THIS
SURVEY WAS MADE UNDER MY DIRECT SUPERVISION
AND THAT THIS PLAT REPRESENTS SAID SURVEY.

Larry D. Becker
UTAH L.S. # 4189

SURVEYED	3/3/87
DRAWN	3/4/87
CHECKED	3/4/87

ENERGY
SURVEYS &
ENGINEERING CORP.

715 HORIZON DRIVE, SUITE 330
GRAND JUNCTION, CO 81501
(303) 246-7221

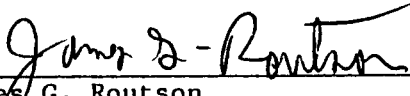
SCALE 1" = 1000'
JOB NO.
SHEET OF

WELL CONTROL PLAN

1. Surface Casing: 9-5/8" O.D., 32.3 #/ft., L.S., Short T&C, set at 200' or deeper, cemented with pump and plug method back to the surface or bottom of cellar.
2. Casinghead Flange: 9-5/8" x 10"-900 series casinghead with two 2"-2000 psi L.P. outlets.
3. Intermediate Casing: 7", 20#, L.S., set at 1200' and cemented with sacks.
4. Blowout Preventor: A 10" 3000 psig W.P. double gate hydraulic shaffer BOP (or equivalent) with drillpipe rams and blind rams. All fill, kill and choke lines will be minimum of 2" 2000 psi W.P. A Grant rotating head will be used while air and mist drilling. A new rubber will be installed prior to drilling through the Dakota. BOP's will be worked daily. Blind rams will be checked during trips. BOP's will be tested to 1000 psi prior to drilling shoe joint on surface casing and intermediate casing.
5. Auxiliary Equipment: (a) Drill pipe floats will be allowed at contractor's discretion. (b) Visual monitoring of air returns will be maintained. (c) Upper kelly cock will be used. (d) Stabbing valve will be kept on floor.
6. Anticipated bottom hole pressure is less than 1000 psi at 4572 or a gradient of .219 psi/ft or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

LONE MOUNTAIN PRODUCTION COMPANY

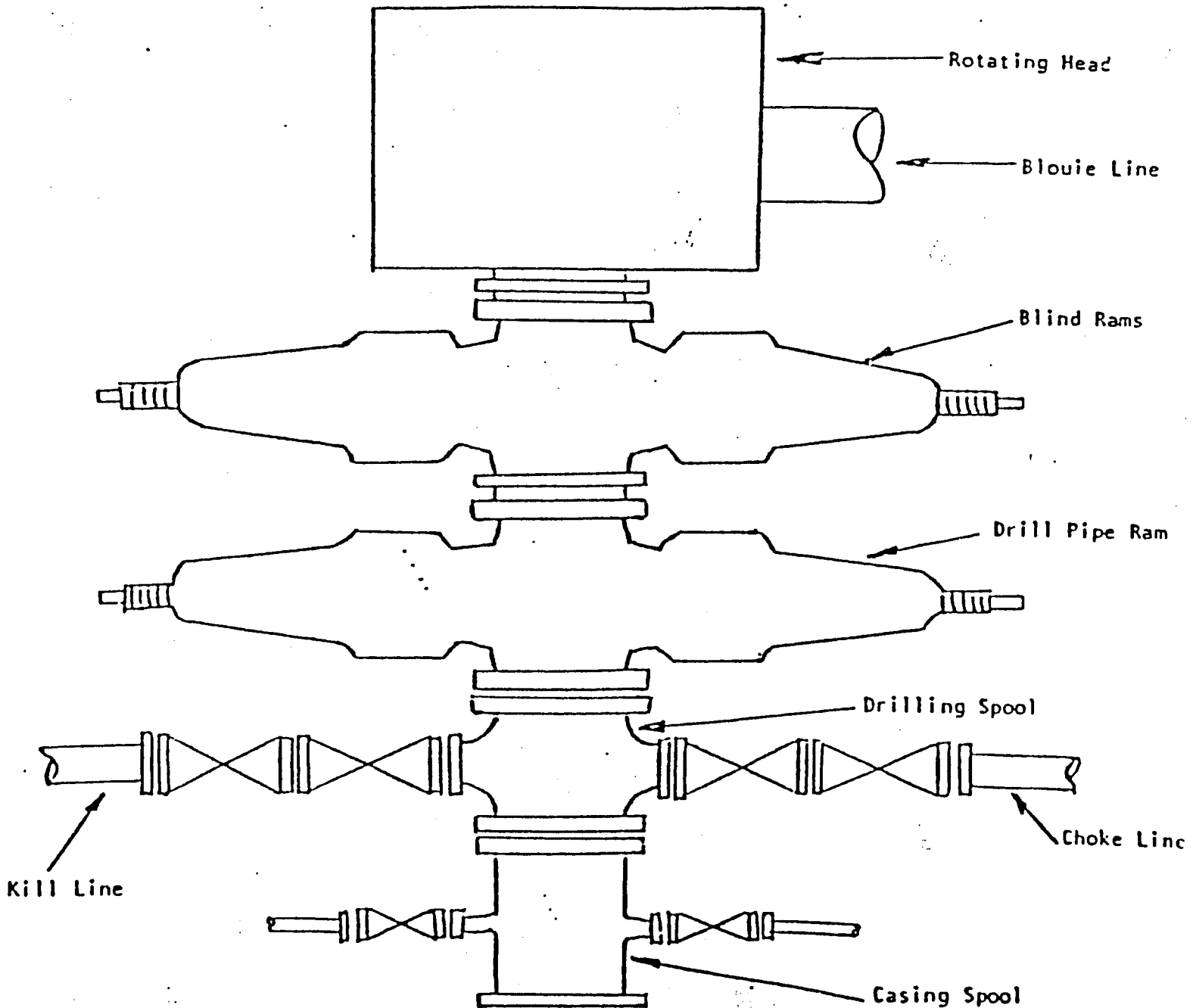
By:


James G. Routson
Petroleum Engineer

SCHEMATIC OF BOP STACK

Air drilled wells using 900 series wellhead equipment.

Interval from 200' to total depth.



SURFACE USE PROGRAM
Lone Mountain Production Company
Quinoco Federal No. 11-10
SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 11: T17S-R24E
Grand County, Utah

1) EXISTING ROADS

See Maps #1, #2 and Plat #1. This proposed well is located approximately 20 miles north of the I-70 Highway Westwater interchange in the bottom of Bryson Canyon. It is reached by going north and east 1.4 miles from the interchange to the East Canyon Road. Then turn left and go northwest 5.6 miles to the "T" intersection, then turn right and go about 6 miles north on the Bryson Ridge Road to the foot of Bryson Hill. Turn right and go up the bottom on Bryson Canyon about 1 mile to the Lone Mountain Production Company No. 14-2 well. At this point the new road will begin.

The existing roads are Grand County roads. These roads will be maintained as needed with cooperation between Lone Mountain Production Company and the other oil and gas operators in the area.

2) ACCESS ROADS TO BE CONSTRUCTED

See Map #1. The 0.5 miles of new road to be constructed will be built as a Class 3, BLM Moab road. Since the road goes up the bottom of Bryson Canyon, it will be necessary to construct a low water crossing or two of the main water way. The topography of this area causes the road cuts to vary from 0 to 25+ feet up the canyon. Every effort will be made to minimize side cast into the drainage way.

Water will be drained from and across the road utilizing local topography and water dips. No culverts are planned.

3) LOCATION OF EXISTING WELLS

See Map #3. There are five producing wells, one temporarily abandoned well, two abandoned wells, and one proposed location within one mile of the proposed location.

4) LOCATION OF PRODUCTION FACILITIES

- a) On Well Pad: See Plat #4. (Paint everything dark green).
- b) Off Well Pad: See Map #1. Lone Mountain will lay a 2" surface steel line (buried at necessary road crossings) adjacent to the access road. This line will tie into the existing Lone Mountain line at the Federal No. 14-2 location in the NE $\frac{1}{4}$ of Section 14. All the proposed line is on the lease.

5) LOCATION AND TYPE OF WATER SUPPLY

The water source for this well is West Salt Creek. The pickup point is on Old Highway 6 & 50 about 2.5 miles west of Mack, Colorado. The water will be hauled over the well access road.

6) SOURCE OF CONSTRUCTION MATERIALS

No construction materials will be used other than native materials. Soil cuts will be used in fills. No outside material will be brought in.

7) METHODS FOR HANDLING WASTE DISPOSAL

Cuttings will be buried in the reserve pit at clean up. Garbage and other waste material will be contained in a trash cage. This cage will be dumped at an approved sanitary land fill. Human waste will be disposed of in chemically treated sanitary pits.

Drilling fluids will be contained in the reserve pit and left to evaporate. Any fluids produced during testing operations will be collected in a test tank. If a test tank is not available, the fluids will be contained in the reserve pit. Any spills of oil, gas, salt water or noxious fluid will be cleaned up and removed.

If the well is productive, produced water will be disposed of on site for 30 days only, or 90 days with the permission of the State Petroleum Engineer. After that time, application will be made for approval of permanent disposal method in compliance with the rules and regulations of the State of Utah.

8) ANCILLARY FACILITIES

No ancillary facilities are planned.

9) WELLSITE LAYOUT

See Plat #2 - Pit and Pad Layout
See Plat #2A - Cross-Sections of Pit and Pad
See Plat #3 - Rig Layout

The location will be constructed large enough to accommodate the drilling rig and associated equipment with allowance made for future completion and fracturing equipment.

The location construction will begin by stripping and stockpiling all available (4-6") topsoil. The stockpile will be along the south end of the location. A drainage reroute will be made on the east side of the pad. The reserve pit will be constructed along the west side of the well pad. The pit will be fenced on three sides during drilling and closed on the fourth side at rig release. The fence will be maintained through completion and while the pit area is drying.

10) PLANS FOR RECLAMATION OF THE SURFACE

If the well is productive, the reserve pit will be allowed to dry and then backfilled. All of the area not necessary for production will be resloped, covered with available topsoil, and revegetated using a seed formula supplied by the BLM in Moab, Utah.

If the well is abandoned, the entire area of disturbance will be returned to a reasonable contour approximating the topography of the surrounding area. The topsoil will be distributed over the recontoured area and revegetated using the appropriate seed formula.

Clean-up will begin after completion rig release and resloping should begin by the fall of 1987.

11) SURFACE OWNERSHIP

All lands involving new construction are federal lands.

12) OTHER INFORMATION

The vegetation is sparse and includes juniper, sagebrush, western wheatgrass, Indian rice grass and a few annual plants. A cultural resource survey of the area is being made and the report will be filed with the BLM in Moab.

13) LESSEE'S OR OPERATOR'S REPRESENTATIVES AND CERTIFICATION

James G. Routson
LONE MOUNTAIN PRODUCTION COMPANY
P. O. Box 3394
Billings, Montana 59103
* * * * *

OFFICE PHONE: (406) 245-5077

HOME PHONE: (406) 245-8797
* * * * *

Ken Currey, Field Consultant
P. O. Box 1491
Fruita, Colorado 81521
* * * * *

OFFICE/HOME PHONE: (303) 858-3257

MOBILE PHONE: (303) 245-3660, Unit 6258
* * * * *

I hereby certify that I, or persons under my supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Lone Mountain Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

DATE:

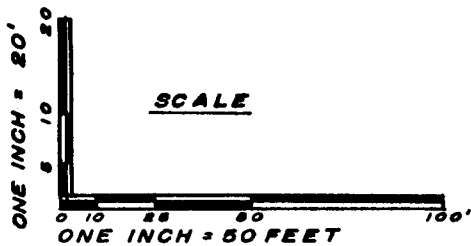
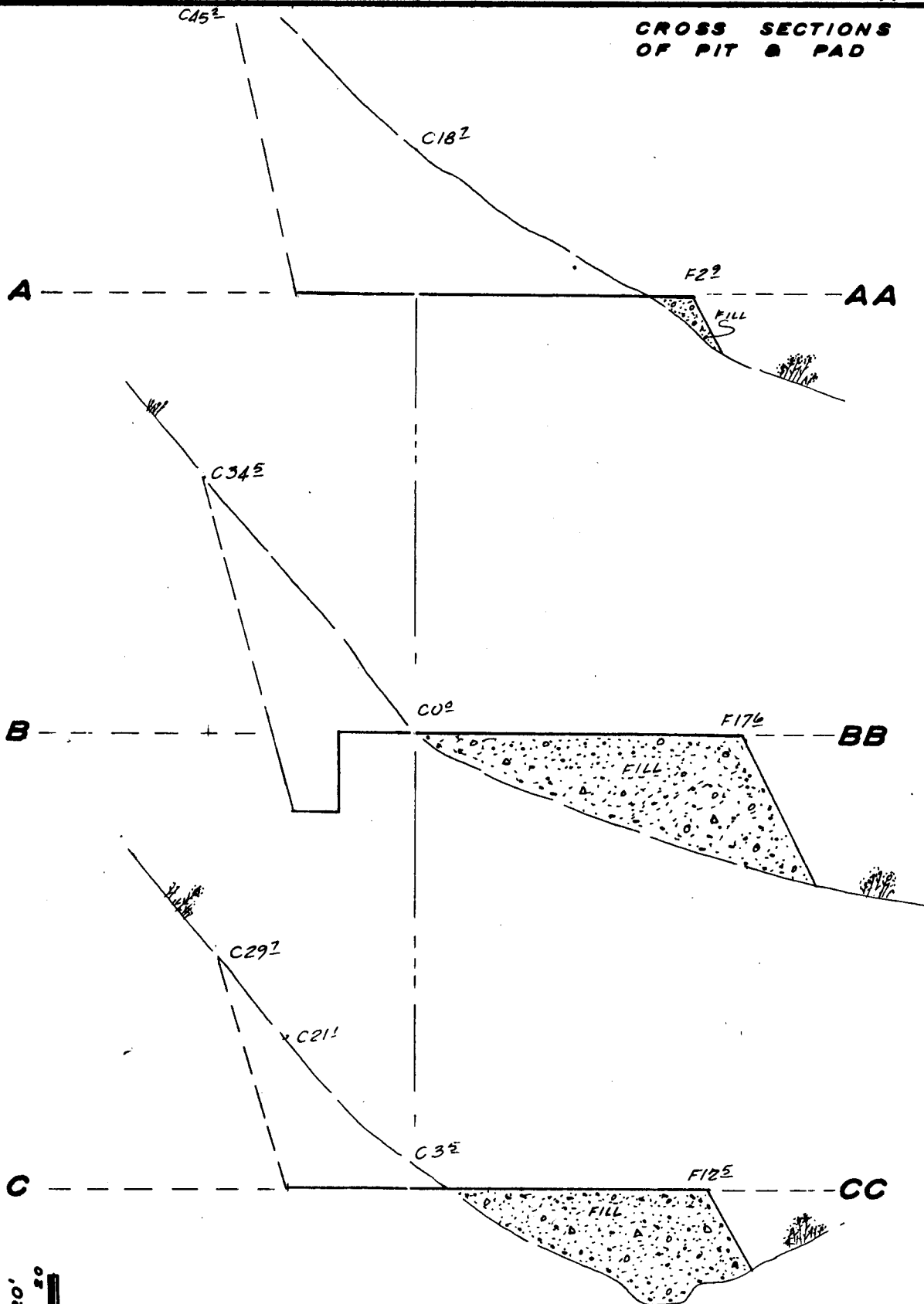
James G. Routson

BY:

3/25/87
James G. Routson

PLAT NO. 2 A

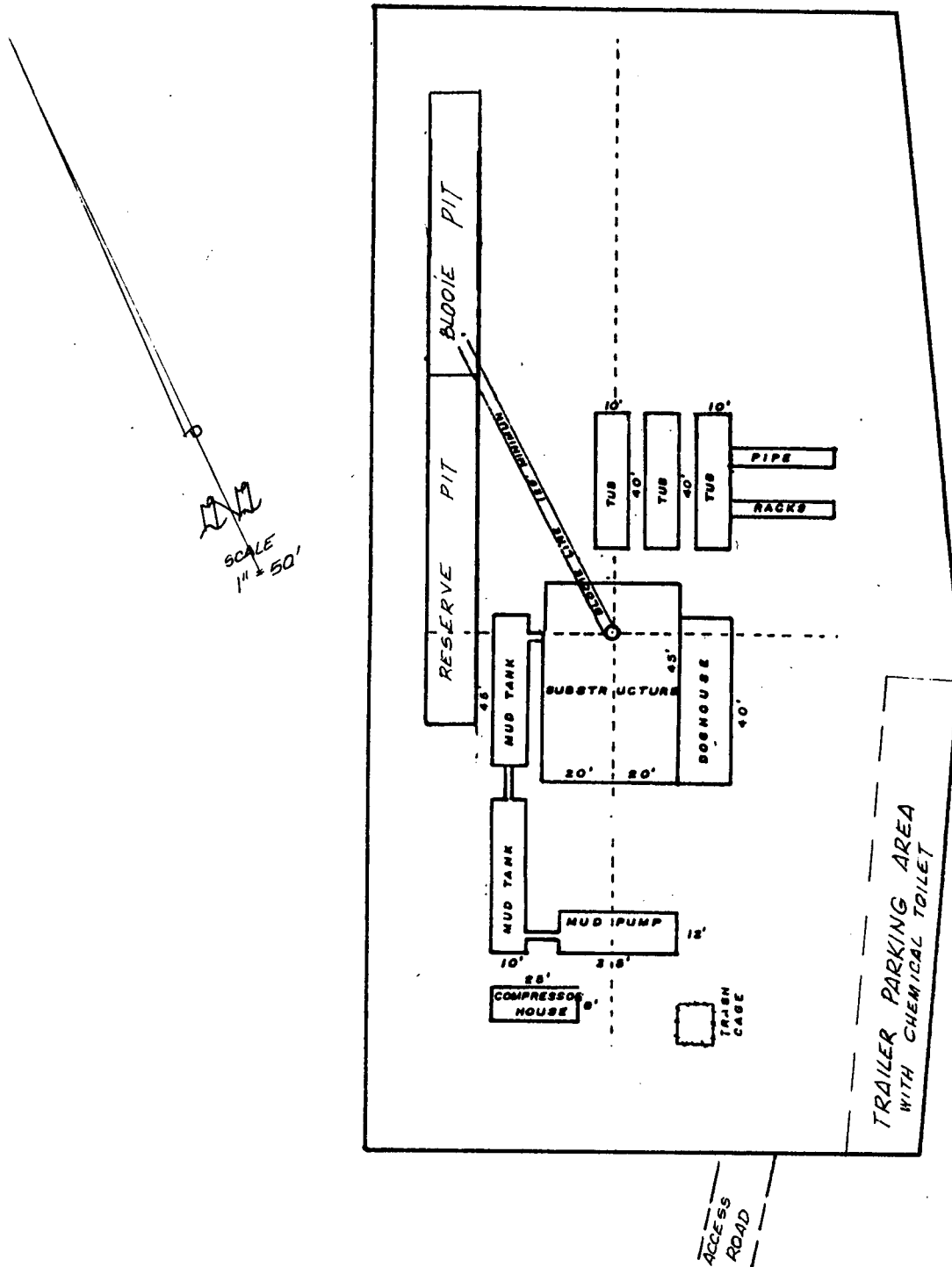
CROSS SECTIONS
OF PIT & PAD



LONE MOUNTAIN PRODUCTION CO.
QUINOCO FEDERAL # 11 - 10

PREPARED BY ENERGY SURVEYS & ENGINEERING CORP

PLAT # 3
RIG LAYOUT



QUINOCO FED. # 11-10
LONE MOUNTAIN PRODUCTION CO.

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Moab, Utah

SERIAL NO.: SL 071172

and hereby designates

NAME: Lone Mountain Production Company

ADDRESS: 408 Petroleum Building, P. O. Box 3394, Billings, Montana 59103

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 17 South, Range 24 East
Section 11: SE4

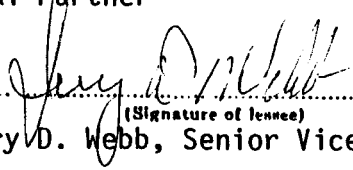
Containing 160.00 acres, more or less
Grand County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

E. M. NOMINEE PARTNERSHIP COMPANY,
By QUINOCO ENERGY, INC. as Managing
General Partner

By 

(Signature of lessee)

Jerry D. Webb, Senior Vice President-Operations

March 11, 1987

(Date)

P. O. Box 378111, Denver, CO 80237

(Address)

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Moab, Utah
SERIAL NO.: SL 071172

and hereby designates

NAME: Lone Mountain Production Company
ADDRESS: 408 Petroleum Building, P. O. Box 3394, Billings, Montana 59103

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Township 17 South, Range 24 East
Section 11: SE4

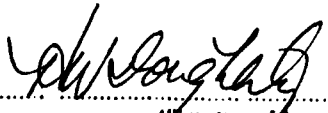
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Grand County, Utah

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The lessee agrees promptly to notify the supervisor of any change in the designated operator.

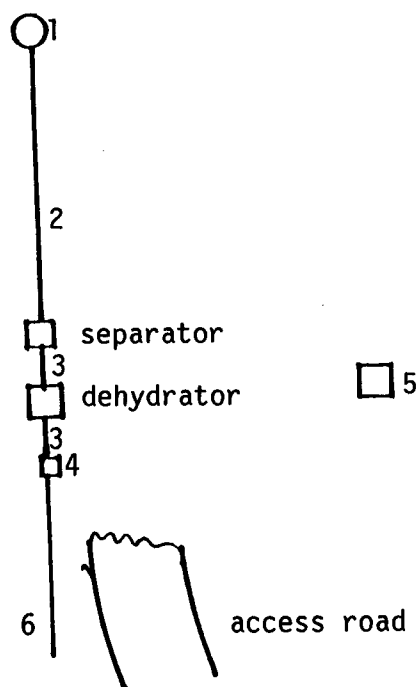
TREND OIL COMPANY, Operator

By 
(Signature of lessee)
H. W. Dougherty, President

March 11, 1987
(Date)

2234 E. Colorado Blvd., 2nd floor,
(Address)

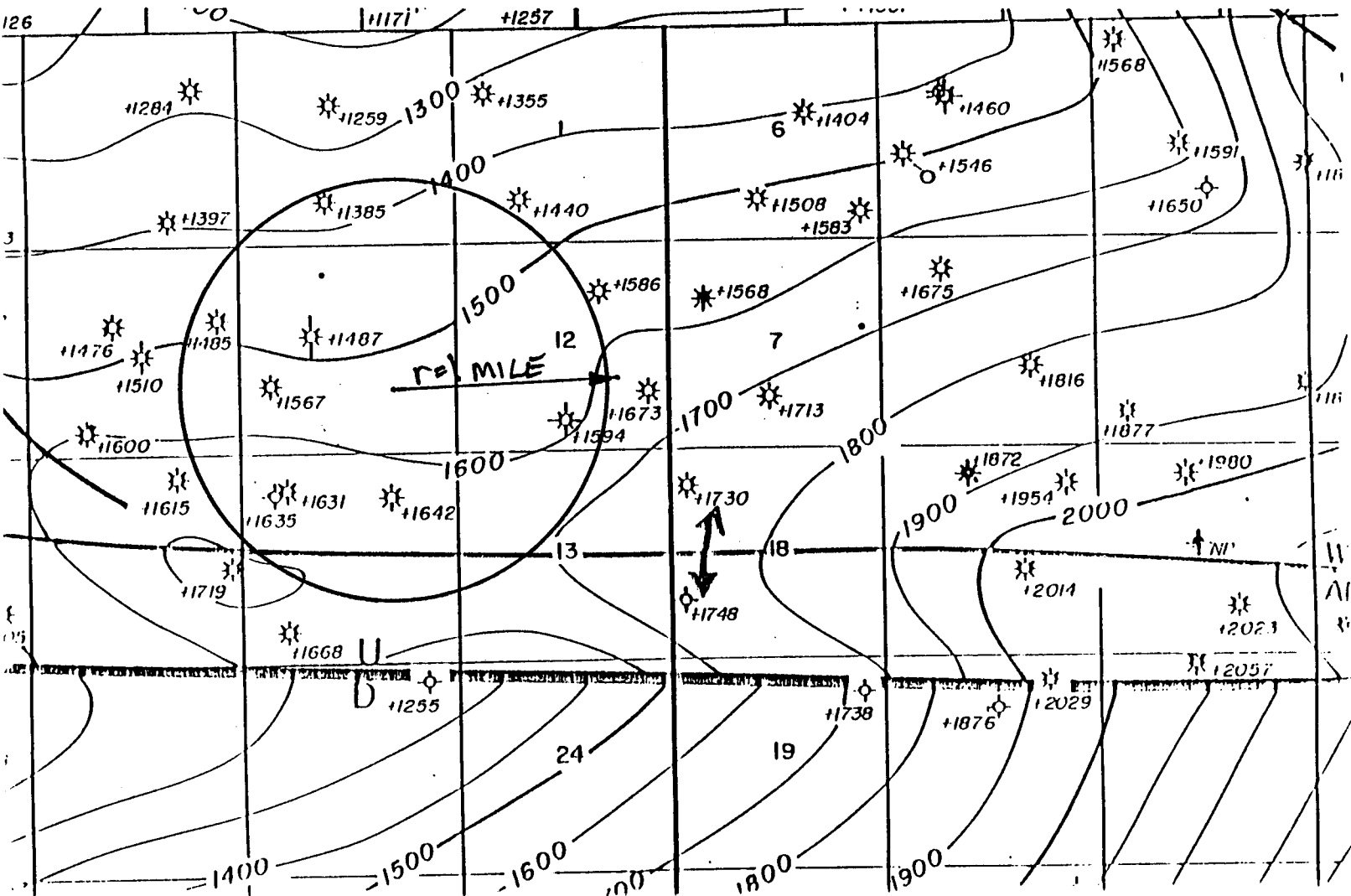
PLAT NO. 4
FACILITIES DIAGRAM

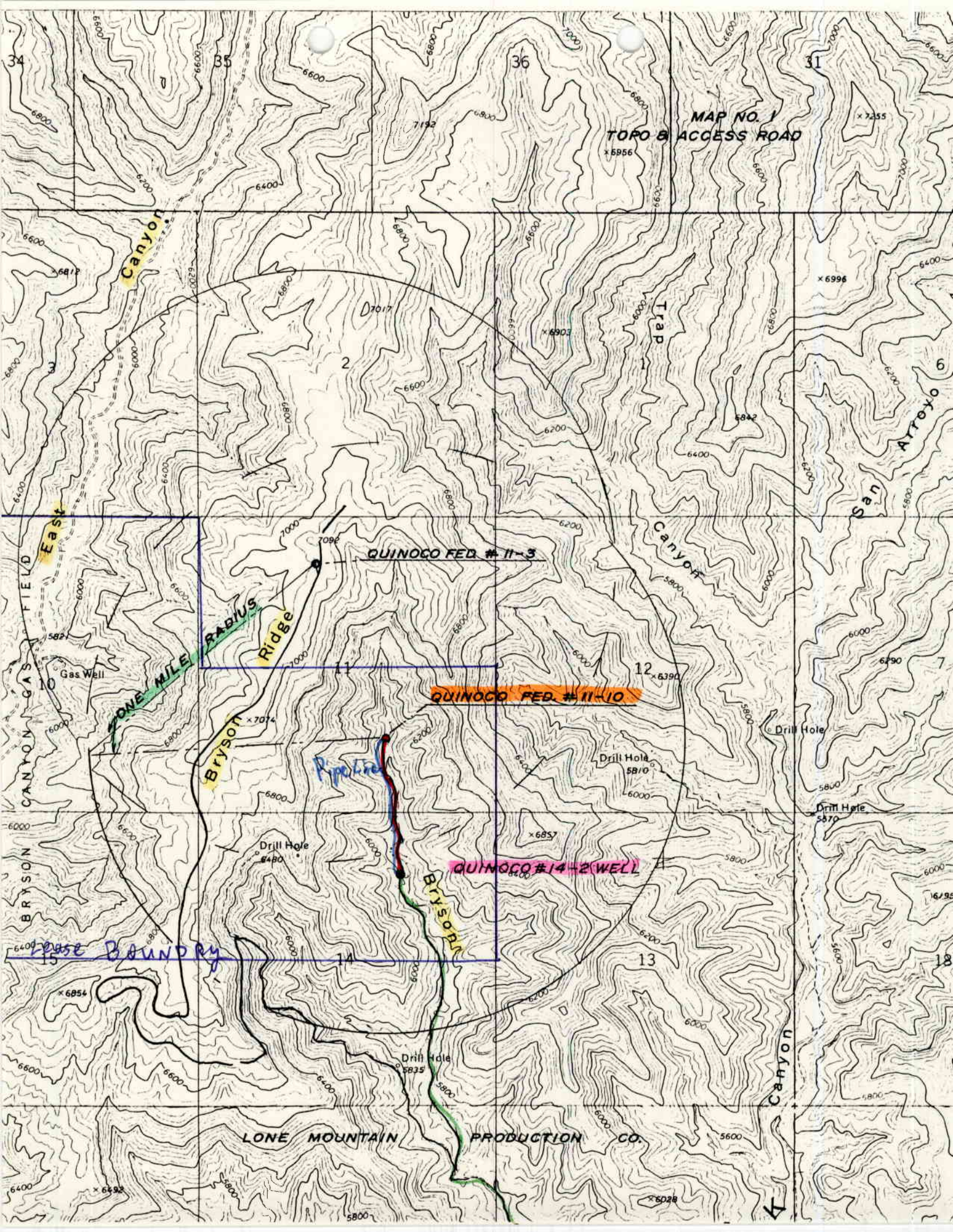


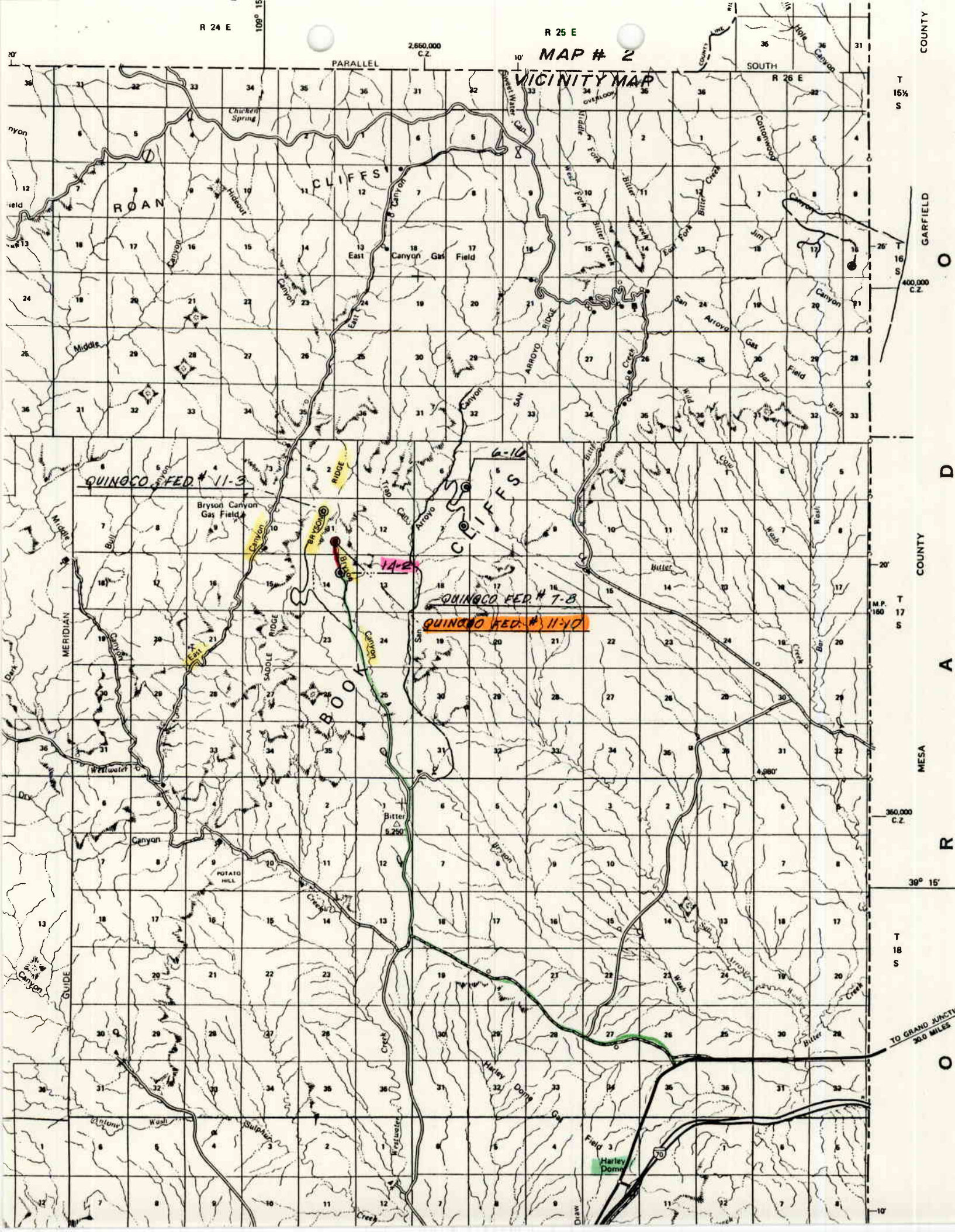
1. Wellhead will be a 6"-900 series flanged top. Tubing head will be 10"-900 x 6"-3000 psi with two 2" 3000 psi flanged valves. Tree will be 2" screwed x 2000 psi W.P.
2. Line between wellhead and separator will be approximately 100 feet in length and constructed of 2-3/8" .218 wall seamless, welded, wrapped and buried approximately 5 feet deep.
3. Line between separator and meter will be 2-3/8" OD seamless, .218 wall, welded, coated, wrapped and buried, and will be approximately 25 feet in length.
4. Meter run will be American 2" run, or equivalent, 1000 psi static rating, 100" of water differential rating.
5. Pit, if necessary, will be 10' x 10', enclosed by dikes and fenced.
6. Pipeline will be a 2", .190 wall, welded steel surface line. Approximate length will be 2500'. Any necessary road crossings will be coated, wrapped or buried. It will all be on Lease No. SL-071172.

WELL MAP

SW $\frac{1}{4}$ Section 2: Quinoco State No. 2-14
NW $\frac{1}{4}$ Section 11: Quinoco/Lone Mountain Federal No. 11-6
SW $\frac{1}{4}$ Section 11: Quinoco USA No. 11-12
SW $\frac{1}{4}$ Section 12: Trend No. 5-A Bryson Canyon Unit
NE $\frac{1}{4}$ Section 10: Beartooth No. 16 Bryson Canyon Unit
NE $\frac{1}{4}$ Section 14: Lone Mountain Federal No. 14-2
NW $\frac{1}{4}$ Section 14: Quinoco No. 14-4 Hogle Federal
NW $\frac{1}{4}$ Section 14: Trend No. 4 Bryson Canyon Unit
NW $\frac{1}{4}$ Section 11: Lone Mountain Federal No. 11-3 (proposed)







040732

031516

OPERATOR Lone Mountain Prod. Co. DATE 4-1-87WELL NAME Federal 11-10SEC SWSE 11 T 17S R 24E COUNTY Grand

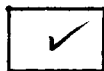
43-019-31241

API NUMBER

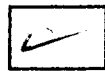
Fed

TYPE OF LEASE

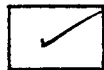
CHECK OFF:



PLAT



BOND

NEAREST
WELL

LEASE



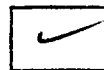
FIELD

POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other well in the SE/4 - Cause 13-6
Water from Marsh, Co.

APPROVAL LETTER:

SPACING: ☐ 203 _____ UNIT☐ 30213-6 8/28/86
CAUSE NO. & DATE

302.1

STIPULATIONS:



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D. Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 6. 1987

Lone Mountain Production Company
408 Petroleum Building
P. O. Box 3394
Billings, Montana 59103

Gentlemen:

Re: Federal 11-10 - SW SE Sec. 11, T. 17S, R. 24E
1294' FSL, 1952' FEL - Grand County, Utah

Approval to drill the referenced well is hereby granted in accordance with the Order of Cause No. 13-6 dated August 28, 1986.

In addition, the following actions are necessary to fully comply with this approval:

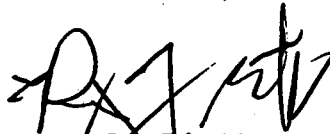
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.

Page 2
Lone Mountain Production Company
Federal 11-10
April 6, 1987

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31241.

Sincerely,

A handwritten signature in dark ink, appearing to read 'R. L. Firth', with a stylized flourish at the end.

R. L. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
8159T

LONE MOUNTAIN PRODUCTION COMPANY 041417 *sig.*

P.O. BOX 3394
408 PETROLEUM BUILDING
BILLINGS, MONTANA 59103-3394
(406) 245-5077

April 7, 1987

RECEIVED
APR 10 1987

**DIVISION OF
OIL, GAS & MINING**

Bureau of Land Management
P. O. Box 970
Moab, Utah 84532

Gentlemen:

Enclosed are Designation of Operator forms (in triplicate)
which we did not have at the time the APDs were submitted for the
following gas wells:

Federal No. 7-8
SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 7-T17S-R25E
Grand County, Utah
Lease U-38033

Federal No. 11-10
SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 11-T17S-R24E
Grand County, Utah
Lease SL-071172

43-019-31041

If any further information is needed to approve these APDs, please
advise.

Very truly yours,

LONE MOUNTAIN PRODUCTION COMPANY

James G. Routson
James G. Routson

JGR:hg
Enclosures
cc: Utah Division of Oil, Gas & Mining ✓

RECEIVED
APR 10 1987

DESIGNATION OF OPERATOR

**DIVISION OF
OIL, GAS & MINING**

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Moab, Utah
SERIAL NO.: SL 071172

and hereby designates

NAME: Lone Mountain Production Company
ADDRESS: 408 Petroleum Building, P. O. Box 3394, Billings, Montana 59103

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 17 South, Range 24 East
Section 11: SE4

Containing 160.00 acres, more or less
Grand County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

CARSON WATER COMPANY

By

E.F. Viles

(Signature of lessee)

March 11, 1987

(Date)

Box 15015, Las Vegas, NV 89114

(Address)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)
MAY 8 1987

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. UNIT AGREEMENT NO. 051137
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. FARM OR LEASE NAME Federal
2. NAME OF OPERATOR Lone Mountain Production Company		9. WELL NO. 11-10
3. ADDRESS OF OPERATOR P.O. Box 3394, 408 Petroleum Bldg., Billings, Montana 59103		10. FIELD AND POOL, OR WILDCAT Bryson Canyon
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1294' FSL & 1952' FEL At proposed prod. zone Same		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW 1/4 SE 1/4 Section 11, T17S - R24E SLBM
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 miles northwest of Mack, Colorado		12. COUNTY OR PARISH Grand
15. DISTANCE FROM PROPOSED* Lease: 1346' LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) Spacing Unit: 688'		13. STATE Utah
16. NO. OF ACRES IN LEASE 1600		17. NO. OF ACRES ASSIGNED TO THIS WELL 160
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2407'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6022' GL; 6033' KB		22. APPROX. DATE WORK WILL START* May 22, 1987

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8" New	32.30# L.S.	200'	150 sacks Class "G" (to surface).
8-3/4"	7" New	20# L.S.	1200'	150 sacks 50-50 Pozmix.
6-1/4"	4-1/2" New	11.6# K-55	5100'	175 sacks RFC.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give flowout preventer program, if any.

24. SIGNED <u>James G. Routson</u> TITLE <u>Petroleum Engineer</u> DATE <u>March 25, 1987</u>	
(This space for Federal or State office use)	
PERMIT NO. <u>43-019-31041</u>	APPROVAL DATE _____
APPROVED BY <u>/s/ Kenneth V. Rhea</u> TITLE <u>Acting DISTRICT MANAGER</u> DATE <u>MAY 07 1987</u>	

FLARING OR VENTING OF
GAS IS SUBJECT OF NTL 4-A CONDITIONS OF APPROVAL ATTACHED
DATED 1/1/80

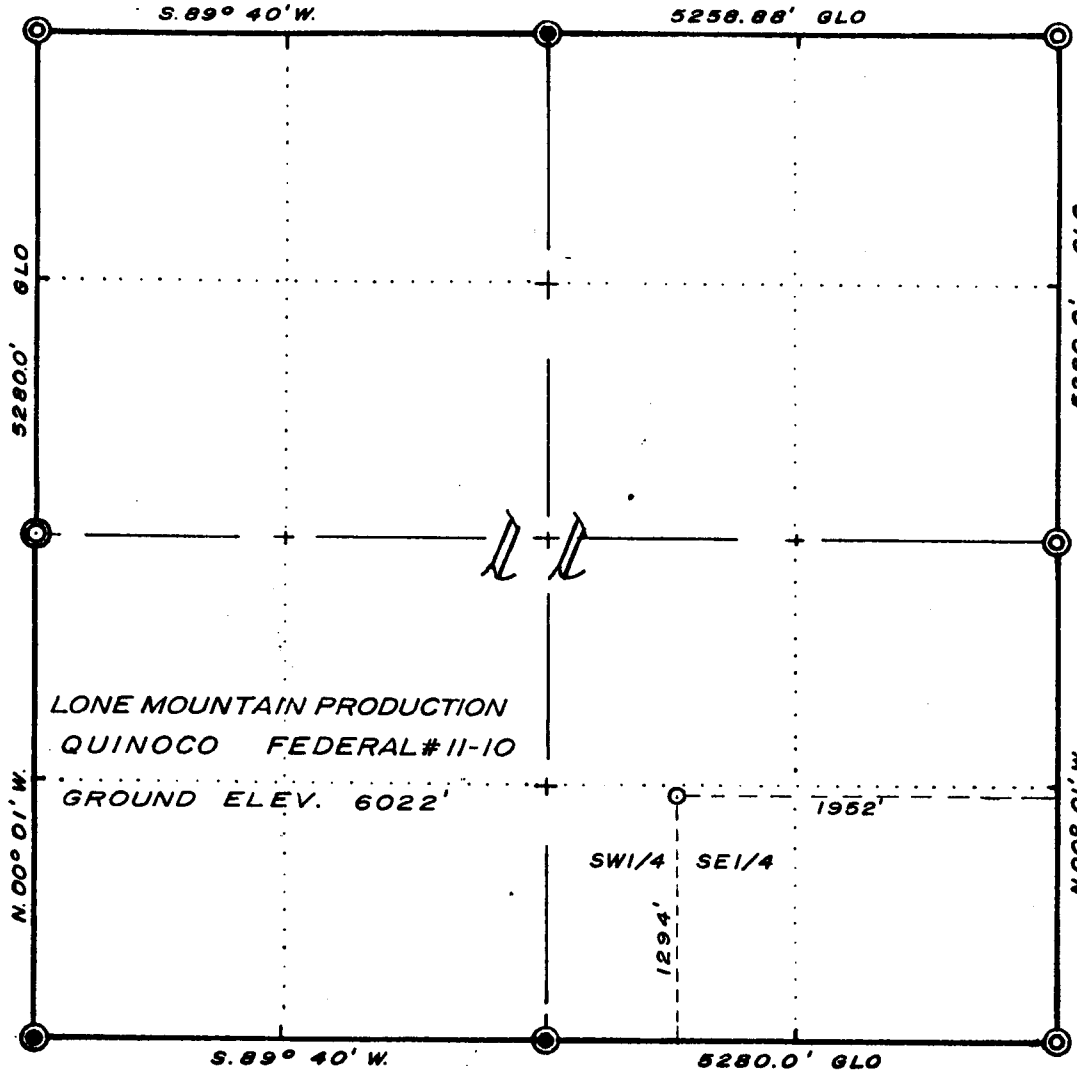
*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

State of Utah-DOEM

SEC. 11, T. 17 S., R. 24 E. OF THE S.L.B.M.

PLAT # 1
LOCATION PLAT



- LEGEND**
- STANDARD LOCATION OF GLO SECTION CORNERS
 - GLO CORNERS FOUND
 - WELL LOCATION STABED.
- REFERENCE DOCUMENTS**
- 1926 GLO PLAT
 - BRYSON CANYON, UTAH QUADRANGLE, USGS

THIS WELL LOCATION PLAT WAS PREPARED FOR LONE MTN. PRODUCTION CO. TO LOCATE THE QUINOCO FEDERAL #11-10, 1294' F.S.L.B. 1952' F.E.L. IN THE SW 1/4 SE 1/4, OF SECTION 11, T. 17 S., R. 24 E OF THE SLBM GRAND COUNTY, UTAH

SURVEYOR'S CERTIFICATE

I, LARRY D. BECKER A REGISTERED LAND SURVEYOR IN THE STATE OF UTAH DO HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY DIRECT SUPERVISION AND THAT THIS PLAT REPRESENTS SAID SURVEY.

Larry D. Becker
UTAH L.S. # 4189

SURVEYED	3/3/87
DRAWN	3/4/87
CHECKED	3/4/87

**ENERGY
SURVEYS &
ENGINEERING CORP.**

715 HORIZON DRIVE, SUITE 330
GRAND JUNCTION, CO 81501
(303) 246-7881

SCALE 1" = 1000'
JOB NO.
SHEET OF

Lone Mountain Production Company
Well No. Federal 11-10
Sec. 11, T. 17 S., R. 24 E.
Grand County, Utah
SL-071172

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Lone Mountain Production Company is the bonded entity on this application. Liability will remain with the bonded party named above until we are formally notified by letter of the new bonded entity in reference to this Application for Permit to Drill.

A. DRILLING PROGRAM

7" casing will be pressure tested to 1000 psi prior to drilling casing shoe. Jim Monroe with the Grand Resource Area Office (801) 259-8193 will be notified at least 24 hours in advance of this pressure test.

Well control equipment will be consistent with standards in API RP 53, including the choke manifold arrangement.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Office. If operations are to be suspended, prior approval of the District Office will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the District Office within a minimum of 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Order No. 1 this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continued each month until the well is plugged and abandoned. This report will be sent to the District Office, P.O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Area Office in accordance with requirements of NTL-3A.

If a replacement rig is needed for completion operations, a Sundry Notice (Form 3160-5) to that effect will be filed for prior approval from the District Office, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved through the District Office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, work-over, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

If the well is to be completed for production the Area Office is to be contacted in order to set up a pre-production conference. When the well is placed in a producing status the District Office is to be notified by telegram or other written communication within five working days.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

No well abandonment operations will be commenced without the prior approval of the District Office. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Office. A Subsequent Report of Abandonment (Form 3160-5) will be sent to the District Office within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Office, or the appropriate surface managing agency. Upon completion of approved plugging, a dry hole marker will be erected in accordance with 43 CFR 3162.6. The top of the marker will be closed or capped. The following minimum information will be permanently placed on the marker; "Fed" or "Ind", as applicable, "Lease Number", "Well number", location of well by 1/41/4 section, township, and range.

B. SURFACE USE PROGRAM

The operator will contact the Grand Resource Area at (801) 259-8193, forty-eight (48) hours prior to beginning any dirt work on this location.

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.

The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

The operator or his contractor will notify the Grand Resource Area at (801) 259-8193 forty-eight (48) hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

The following seed mixture will be used:

<u>Species</u>		<u>lbs/acre</u>
<u>Grasses</u>		
Agropyron spicatum	Bluebunch wheatgrass	2
Smithii	Western wheatgrass	2
Uparium	Streambank wheatgrass	2
<u>Shrubs</u>		
Atriplex canescens	Fourwing saltbush	<u>2</u>
		8 lbs/acre

Broadcast seed will be applied at double the above rate.

Final location release will be issued when the seeding is shown to be successful (when perennial vegetation is established).

Your contact with the District Office is:

Steve Jones, Petroleum Engineer Office Phone: (801)259-6111
Home Phone: _____

District Address:

82 East Dogwood, P.O. Box 970
Moab, Utah 84532

Your contact with the Grand Resource Area Office is:

Jeff Robbins Office Phone: (801)259-8193
Home Phone: (801) 259-7964

Area Office Address:

Sand Flats Road, P.O. Box M
Moab, Utah 84532

052807

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API #43-019-31241

NAME OF COMPANY: LONE MOUNTAIN PRODUCTION COMPANYWELL NAME: Federal 11-10SECTION SW SE 11 TOWNSHIP 17S RANGE 24E COUNTY GrandDRILLING CONTRACTOR VecoRIG # 2SPUDDED: DATE 5-22-87TIME 5:30 PMHOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Jim RoutsonTELEPHONE # 406-245-5077DATE 5-26-87 SIGNED SBH

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Budget Bureau No. 1001-101-101
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. SL-071172
2. NAME OF OPERATOR Lone Mountain Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 060213
3. ADDRESS OF OPERATOR 408 Petroleum Building, P.O. Box 3394, Billings, Montana 59103		7. UNIT AGREEMENT NAME <i>Dilig</i>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1294' FSL, 1952' FEL		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-019-31241		9. WELL NO. 11-10
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6022' GL, 6033' KB		10. FIELD AND POOL, OR WILDCAT Bryson Canyon
		11. SEC., T., R., M., OR BLK. AND SURVEY OR ARMA SW$\frac{1}{4}$SE$\frac{1}{4}$ Sec. 11-T17S-R24E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Spud report</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

✓ Spudded 12 $\frac{1}{4}$ " hole at 5:30 P. M., May 22, 1987. Drilled to 232'. Ran 9 5/8", 32.30#, H-40 casing to 223'. Cemented with 150 sacks Class "G", 3% CaCl₂, 1/4# Celloflake/sack. Good cement to surface.

Drilled 8 3/4" hole to 1217'. Ran 7", 23#, J-55 casing to 1206'. Cemented with 150 sacks 50-50 pozmix, 3% CaCl₂.

Contractor: Veco Drilling Co. Rig No. 2.

Notified Carol Freudiger, BLM, Moab, @ 10:00 A. M., 5-26-87.

Notified Sandy Hunt, Utah Division of Oil, Gas, and Mining, @ 10:10 A. M., 5-26-87.

RECEIVED
MAY 28 1987

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED <u>Jane D. Rantson</u>	TITLE <u>Petroleum Engineer</u>	DATE <u>May 26, 1987</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

*See Instructions on Reverse Side

Dug.
43.014.312/1

LONE MOUNTAIN PRODUCTION COMPANY

P.O. BOX 3394
408 PETROLEUM BUILDING
BILLINGS, MONTANA 59103-3394
(406) 245-5077

060911

June 1, 1987

RECEIVED
JUN 03 1987

Division of Oil, Gas & Mining
State of Utah
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

**DIVISION OF
OIL, GAS & MINING**

Attention: Ron Firth

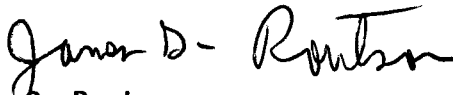
Dear Ron:

Enclosed is a Sundry Notice status report and a Report of Water Encountered for our Federal No. 11-10 well in Section 11, Township 17 South, Range 24 East, Grand County, Utah. These notices are submitted in duplicate.

PLEASE NOTE WE WISH TO KEEP THIS WELL TITE FOR SIX MONTHS.

Very truly yours,

LONE MOUNTAIN PRODUCTION COMPANY


James G. Routson

JGR:hg
Enclosures

060913

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
3 TRIAD CENTER, SUITE 350
SALT LAKE CITY, UT 84180-1203

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Federal No. 11-10 43-019-31241
 Operator Lone Mountain Production Company Address Box 3394, Billings, MT 59103
 Contractor Veco Drilling Company Address P.O. Box 1705, Grand Junction, CO
 Location SW 1/4 SE 1/4 Sec. 11 T. 17S R. 24E County Grand 81502

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	948	968	Damp only, not measurable	Not determined
2.	4740	4758	Damp only, not measurable	Not determined
3.				
4.				
5.				

(Continue on reverse side if necessary)

<u>Formation Tops</u>	Castlegate	948	(+5085)	Dakota Sand	4568	(+1465)
	Mancos	1150	(+4883)	Morrison	4758	(+1275)
	Dakota Silt	4492	(+1541)			

Remarks

- NOTE: (a) Report on this form as provided for in Rule 806, Oil and Gas Conservation General Rules.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

RECEIVED
JUN 03 1987

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLI
(Other Instructions
verse side)

Budget Bureau No. 1001-0135

Expires August 31, 1985

6. LEASE DESIGNATION AND SERIAL NO.

SL-071172

8. IF INDIANALY OWNED, OF TRIBE NAME

060912

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL ☐ GAS ☒ WELL ☐ OTHER ☐
2. NAME OF OPERATOR
Lone Mountain Production Company
3. ADDRESS OF OPERATOR
408 Petroleum Building, P.O. Box 3394, Billings, Montana 59103
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
1294' FSL, 1952' FEL

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

11-10

10. FIELD AND POOL, OR WILDCAT

Bryson Canyon

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SW1SE1 Sec. 11-T17S-R24E

14. PERMIT NO.

43-019-31241

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

6022' GL, 6033' KB

12. COUNTY OR PARISH

Grand

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Status Report

X

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled 6 1/4" hole to 4997'. Ran 4 1/2", 11.6#, J-55 casing to 4997'. Cemented with 175 sacks 10-0 thixotropic.

Rig released at 7:00 P. M., May 29, 1987.

Log Tops:	Castlegate	948	(+5085)
	Mancos	1150	(+4883)
	Dakota Silt	4492	(+1541)
	Dakota Sand	4568	(+1465)
	Morrison	4758	(+1275)

Plan to start completion about June 8, 1987.

TIGHT
HOLE

18. I hereby certify that the foregoing is true and correct

SIGNED

James D. Patton

TITLE Petroleum Engineer

DATE June 1, 1987

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

RECEIVED
JUN 03 1987

*See Instructions on Reverse Side

DIVISION OF
OIL & GAS MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

15

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Lone Mountain Production Company

3. ADDRESS OF OPERATOR

408 Petroleum Building, P. O. Box 3394, Billings, Montana 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1294' FSL, 1952' FEL

At top prod. interval reported below
Same

At total depth

Same

14. PERMIT NO.

43-019-3124

DATE ISSUED

4-6-87

12. COUNTY OR PARISH
Grand

13. STATE

Utah

15. DATE SPUNDED

5-22-87

16. DATE T.D. REACHED

5-29-87

17. DATE COMPL. (Ready to prod.)

6-14-87

18. ELEVATIONS (DF, RKB, RT, GE, ETC.)*

6022' GL, 6033' KB

19. ELEV. CASINGHEAD

6023'

20. TOTAL DEPTH, MD & TVD

4997'

21. PLUG, BACK T.D., MD & TVD

4952'

22. IF MULTIPLE COMPL., HOW MANY*

--

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

0-TD

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Dakota Sandstone 4622-4692'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-FBC-CNL, DIL, GR-CBL-VDL

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	32.30# H-40	223'	12 1/4"	150 sx. Class G, 3% CaCl ₂	None
7"	23# J-55	1206'	8 3/4"	150 sx. 50-50 poz, 3% CaCl ₂	None
4 1/2"	11.6# J-55	4997'	6 1/2"	175 sx. RFC	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2 3/8"	4733'	None

31. PERFORATION RECORD (Interval, size and number)

4622-4636, 15 holes; 4644-4650, 7 holes;
4662-4667, 5 holes; 4680-4692, 13 holes;
All holes .375" diameter.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4622-4692'	1000 gallons 15% HCl
4622-4692'	Fractured with 20,000# 100 mesh sand, 80,000# 16-30 sand, 481 bbls 5% HCl, 1.8 MMSCF Nitrogen

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
6-13-87		Flowing					Shut in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
6-19-87	24 hours	1/4"	→	0	850	0	--	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
580 psig	680 psig	→	0	850	0	0		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

35. LIST OF ATTACHMENTS

Gas analysis

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

James D. Rantson

TITLE

Petroleum Engineer

DATE 6-22-87

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

TIGHT
HOLE

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Castlegate	948	968	Tight, water, quality not determined	Castlegate	948	(+5085)
Dakota	4622	4692	Tight, shaly, gas	Mancos	1150	(+4883)
Dakota	4740	4758	Tight, water, quality not determined	Dakota Silt	4492	(+1541)
				Dakota Sand	4568	(+1465)
				Morrison	4758	(+1275)

LONE MOUNTAIN PRODUCTION COMPANY

P.O. BOX 3394
408 PETROLEUM BUILDING
BILLINGS, MONTANA 59103-3394
(406) 245-5077

RECEIVED

AUG 31 1987

**DIVISION OF OIL
GAS & MINING**

August 27, 1987

**CONFIDENTIAL
O.G.M.**

John Baza

DIVISION OF OIL, GAS & MINING
STATE OF UTAH
3 Triad Center, Suite 350
355 W. North Temple
Salt Lake City, UT 84180

Re: Federal #11-10
SW SE Section 11: T17S-R24E
Grand County, Utah

Dear John:

Enclosed in duplicate is a Sundry Notice for REPORT OF FIRST PRODUCTION for the subject well. Three copies are also being sent to the BLM in Moab.

Please call should you have any questions.

Very truly yours,

LONE MOUNTAIN PRODUCTION COMPANY


James G. Routson

JGR/lw

Enclosures

xc/BLM, Moab, UT

**CONFIDENTIAL
O.G.M.**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
reverse side)

Form approved,
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO

SL-071172

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NO. 090217

8. FARM OR LEASE NAME

Federal

9. WELL NO.

11-10

10. FIELD AND POOL, OR WILDCAT

Bryson Canyon

11. SEC. T., R., M., OR BLK. AND
SURVEY OR AREA

SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 11: T17S-R24E

12. COUNTY OR PARISH

Grand

13. STATE

UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Lone Mountain Production Company

3. ADDRESS OF OPERATOR

408 Petroleum Bldg., P.O. Box 3394, Billings, MT 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface 1294' FSL, 1952' FEL

14. PERMIT NO.

43-019-31241

15. ELEVATIONS (Show whether OF, RT, OR etc.)

6022' GL; 6033' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

NOTICE OF FIRST PRODUCTION

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

First Production Notice:

Well was turned on to Mesa Pipeline at 1:00 PM, August 26, 1987. Notified Carol Freudiger at the BLM in Moab, Utah at 10:30 AM, August 27, 1987.

18. I hereby certify that the foregoing is true and correct

SIGNED

James G. Routston

TITLE

Petroleum Engineer

DATE

August 27, 1987

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

RECEIVED

AUG 31 1987

*See Instructions on Reverse Side

DIVISION OF OIL